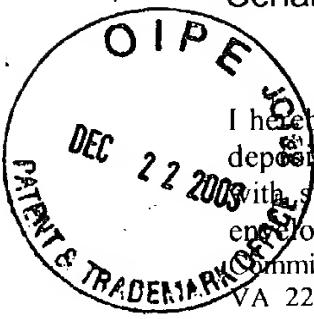


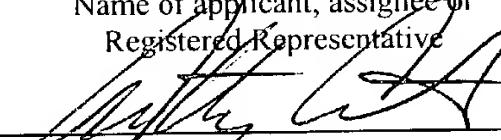
Serial No.: 09/586,624

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Signature
12/18/03
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Our Case No. 9281/3660

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
Naoya HASAGAWA)
Serial No.: 09/586,624) Examiner: Bernatz, Kevin M.
Filing Date: 06/02/2000) Group Art Unit: 1773
For: SPIN-VALVE TYPE)
MAGNETORESISTIVE SENSOR)
AND METHOD OF)
MANUFACTURING THE SAME)

AMENDMENT AND RESPONSE TO OFFICE ACTION

MS/Non-fee Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

This paper is submitted in response to the Office action of September 2, 2003. The Claims begin on page 2 and the Remarks begin on page 6.